FINNSUB.COM
ADVANCED TECHNOLOGIES

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User's manual for diving lights

FINN LIGHT

SHORT 3000
LONG 3000
STRONG 3000
STRONG 3000 DBL

FINN LIGHT

1. INTRODUCTION

Congratulations to your purchase of FINN LIGHT. It will guide your paths to adventure. There are four models of FINN LIGHT 3000 series. The cordless model is called SHORT and canister versions are called LONG, STRONG or STRONG DBL. The type is labeled on the box of your lamp.

2. PACKAGE INCLUDES

Model **LONG, STRONG, STRONG DBL:**

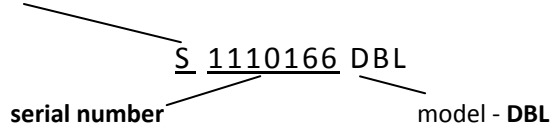
- head with thread cover
- canister with batteries and cable
- battery charger
- Goodman handle / optional Soft Handle
- canister holder
- elastic cord (not included in Soft Handle version)
- allen key
- service lubricant
- user's manual

Model **SHORT 3000:**

- head with thread cover
- body with batteries
- battery charger
- Goodman handle / optional Soft Handle
- elastic cord (not included in Soft Handle version)
- allen key (not included in Soft Handle version)
- service lubricant
- user's manual

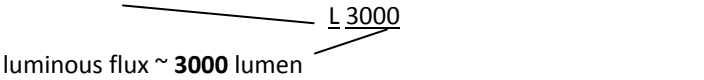
Serial number explanation:

S = model SHORT
L = canister model LONG
ST = canister model STONG



Explanation of the type indication:

S = model SHORT
L = canister model LONG
ST = canister model STRONG



Run-times: Short: mode 1 12 hrs Long: mode 1 24 hrs
mode 2 2 hrs mode 2 4 hrs
mode 3 1 hr mode 3 2 hrs

Strong: mode 1 50:00 hrs. Strong DBL: Burn time depends on the
mode 2 10:00 hrs. power consumption of the
mode 3 5:00 hrs. additional equipment
(with max. current 4A).

Both models are guaranteed for usage up to -200 msw (655 ft).

8. DISPOSAL OF AGED LAMPS

Dispose functionless and aged lamp in a proper way. Bear in mind that it is an electronic waste. Do not throw it into a regular trash. You can return the appliance to your dealer.

9. SAFETY INSTRUCTIONS

!! Store and transport both parts of the light separated – unscrew the head from the body of the light. Otherwise the light could be accedentally switched on in the bag which could cause the fire !!

!! Don't put switched on light on the flammable surfaces. There is the risk of the fire požáru !!

WARNING! The light which si switched off left on the sunshine could reach very high temperatures (over 60°C). The light can be destroyed or the heat surface of the light could burn the user.
Therefore **NEVER** leave the light on the direct sunshine if the weather temperature is high (for example in the car). There is the risk of the damage of the light, burn of the user or fire!

Do not put the activated lamp on flamable surfacs to prevent risk of fire.

3. BEFORE THE FIRST USE

To achieve an ideal initial capacity setup of the light, the accumulators are stored charged at aprox. 50% of their capacity. Before the first use it is important to charge the battery to full capacity.

4. CHARGING

- Unscrew the head from the body - turn it clockwise (looking same way the light shines).
- Plug the charger's jack in the socket inside the lamp's body.
- Plug the charger in the wall socket. The charger's LED light is red, while the battery is being charged. Once LED turns green the accumulator is charged on approx. 80%. You can keep it on the charger longer to reach the maximum capacity.)When the light is completely discharged the charging cycle lasts 4 hours in SHORT version, 8 hours in LONG version and 10 hours in STRONG version).
- Unplug the charger from the wall and after that jack from the lamp's body. Save the energy.

Always use only the original battery charger that is included in the package!

Important notice
Li-ion batteries don't have a memory effect. That's one of the basic characteristics. **We recommend to charge the accumulator after any usage.**

!! You have to avoid any situation when you keep fully discharged accumulator in a frosty environment. For example – You put a discharged accumulator in a trunk of a car after dive and keep it there for the whole night. It will lead almost absolutely to irreversible damage of the accumulator. The time of performance of the light might be significantly reduced by this only one step.
The bad maintanance is not covered by the warranty and the claims of damaged accumulator because of the bad maintenance will be refused !!

5. MANUAL FOR FUNCTIONS AND USAGE

Screw the head clockwise to fix it into the lamp's body. The lamp is now ready for use. To switch the light on/off and change the mode turn the magnetic ring on the head.
Turn the magnetic ring in any direction and the light is on (300 lumens mode 1). Another turn in clockwise direction swich the light into the stronger mode (1500 lumens). You'll get full power after third turn in the clockwise direction. Turning counter clockwise will lead to the reverse procedure.

- Mode 1 = 10 % of total output (300 lumens)
- Mode 2 = 50 % of total output (1500 lumens)
- Mode 3 = 100 % of total output (3000 lumens)
- Switch off

!! When changing modes or switching the light on please respect the stop positions of the mangetic ring when the light is used and/or stored. This is very important. If the magnetic ring is not in the right stop position then the light can be accidentally switched on when srewing the head to the body or the light will not work right !!

Heat Control :

There are two favours of the heat control: at the same time it protects the lamp against overheating and the user against possible consequences of full output outside the water. After achieving the critical temperature the lamp automatically switches into Mode 1 (10 % of full output). Switching between modes is possible again after the temperature decreases on the safe level.

TIP : When the overheated lamp is left in Mode 1 outside water, cooling down is very slow. Immersion of lamp into water makes cooling immediate.

!! This powerful light is not intended for use outside of the water in higher power levels (mode 2 and 3)!! Only on the weakest level (mode 1) the light can be used at the surface. But if the surrounding temperature is very high then we recommend not to use the light at the surface at all !!
!! The warranty doesn't cover the claims of burnt LED because of use at the surface in modes 2 and 3 !!

Use in water :

!! Warning - never turn the head of the lamp clockwise (looking same way the light shines). Unscrewing the head completely leads to flooding and damaging the lamp! Switch the modes of the lamp only by turning the ring on the head !!

6. MAINTENANCE, STORAGE, TRANSPORT AND MANIPULATION BEFORE/AFTER DIVE

Threads and o-rings are necessary to be checked and lubricated after every dismounting and every recharging. If threads or o-rings are dirty, they have to be cleaned and then lubricated.
! Notice: If threads and o-rings are not lubricated, you risk water penetration and it would be difficult to switch on/off the light under hydrostatic pressure !

!! The claims of the flooded light because of the bad maintenance are not covered by the warranty !!

!! Remove the head from the body/canister for transport !!
There is the risk of accidental switch on. **! Prevent the risk of fire!**

Remove the head from the body/canister for the storage!
!! Screwed head ready to use is in standby mode and takes the small power from the accumulator. If you store the light completed the accumulator loses its capacity and can be destroyed !!

In case of longer storage the light has to be charged to the full capacity. Don't store the light discharged! If stored longer than 1 month the capacity could significantly decrease or the accumulator could be destroyed. Every 3 months it is necessary to discharge and then fully charge the light !

Optimal storage temperature is 15-18°C (59 – 65°F). Higher temperatures accelerate self-discharge and earlier recharge is needed.

!! Warning! We strongly recommend screwing the head to the body/canister just before the usage. Unscrew the head immediately after the usage of the light to save the power. Only then you will have the rest capacity of the accumulator available for your next dive. Otherwise the accumulator is being discharged when the light is in "standby mode" !!

After each use in salt water it is necessary to wash the light with the fresh water.

7. TECHNICAL SPECIFICATION

Luminous flux: 3000 lumens

Wattage : 30W

Temperature of light: cold white, 6500 K

Cells type: Lithium-Ion

Input voltage: 16,8 V

Output current: 3000 mA